

Typy referencyjne a wartosciowe

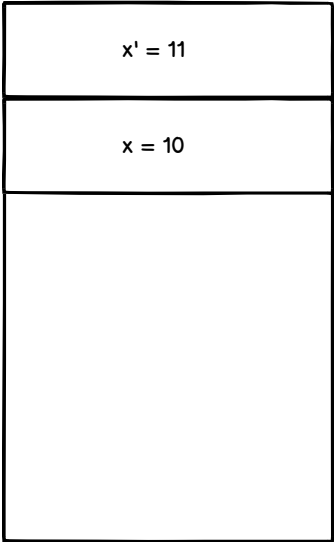
```
public static void Main();
{
    int x = 10;

    Add(x);

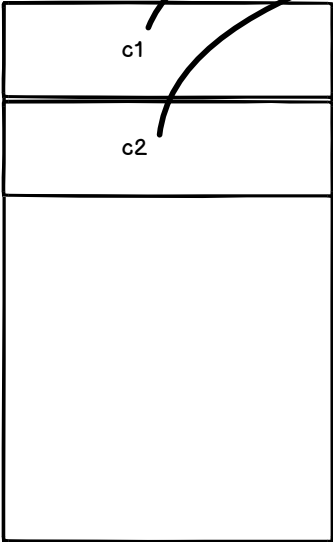
    Console.WriteLine(x);
}
```

```
public void Add(int x)
{
    x++;

    Console.WriteLine(x);
}
```



STOS



STERTA



```
public static void Main();
{
    Customer c1 = new Customer();

    c.Salary = 100;

    Add(c1);

    Console.WriteLine(c1.Salary);

    Customer c2 = c1;

    Invoice copy = invoice1;

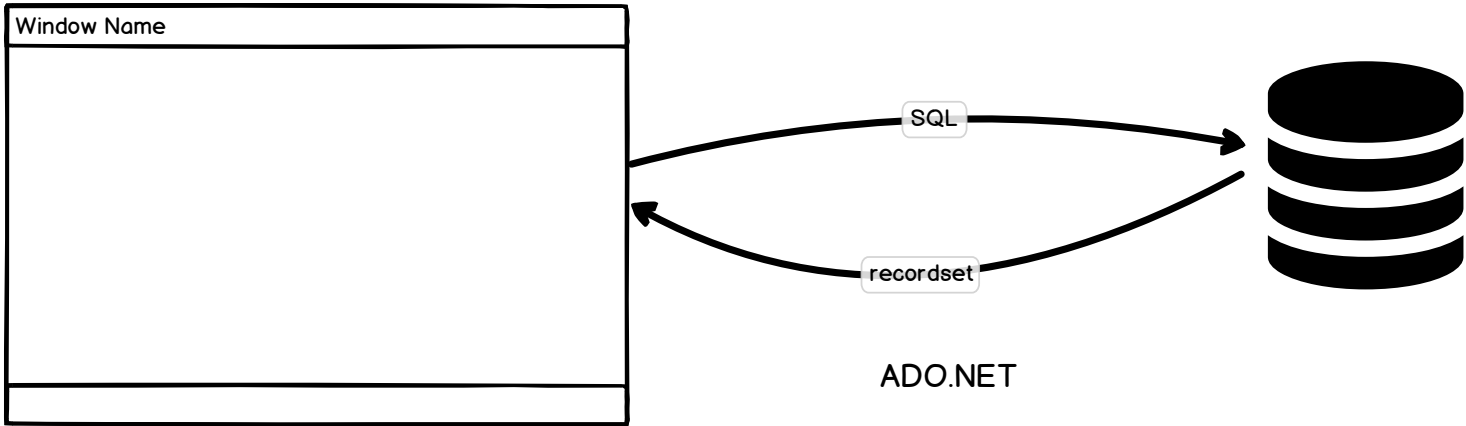
    copy.Number = "FA 4343";

}
```

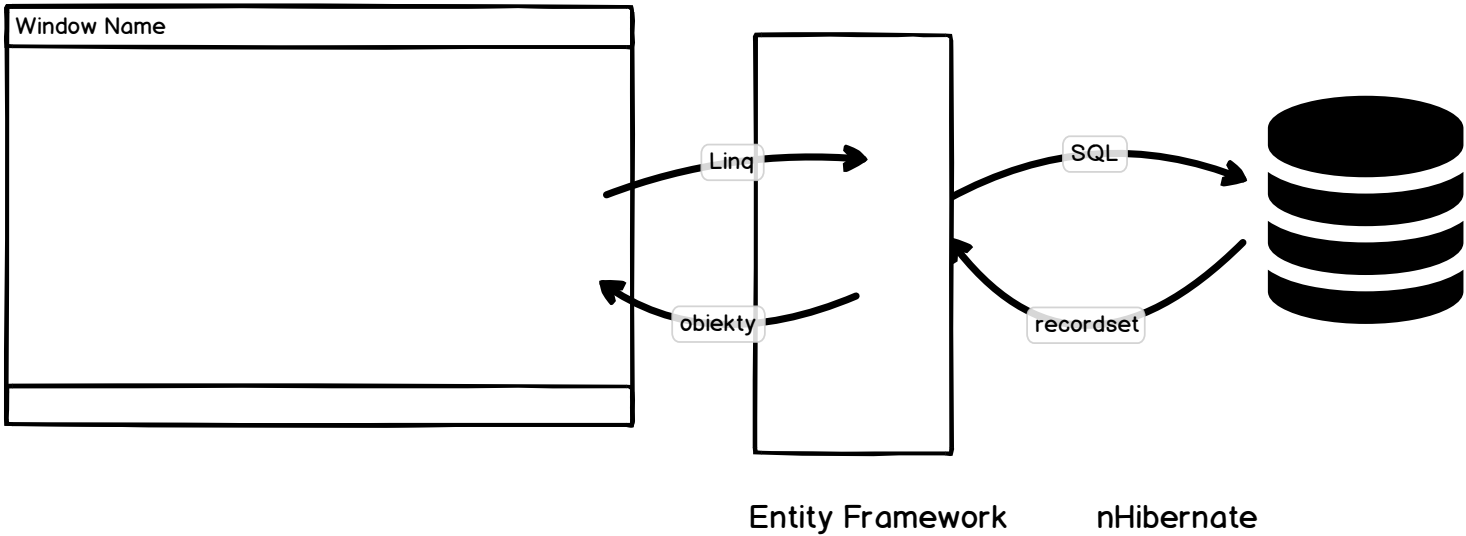
```
public void Add(Customer c)
{
    c.Salary++;

    Console.WriteLine(c.Salary);
}
```

ADO.NET



ORM (Object Relation Mapping)



Window Name

C#

LINQ

Extension methods

delegates -> Wyrażenia lambda

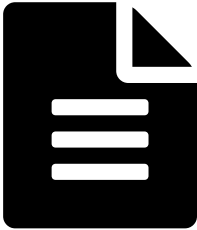
ADO.NET

SQL

C#

XPath

System.OI



Typy referencyjne a wartosciowe copy

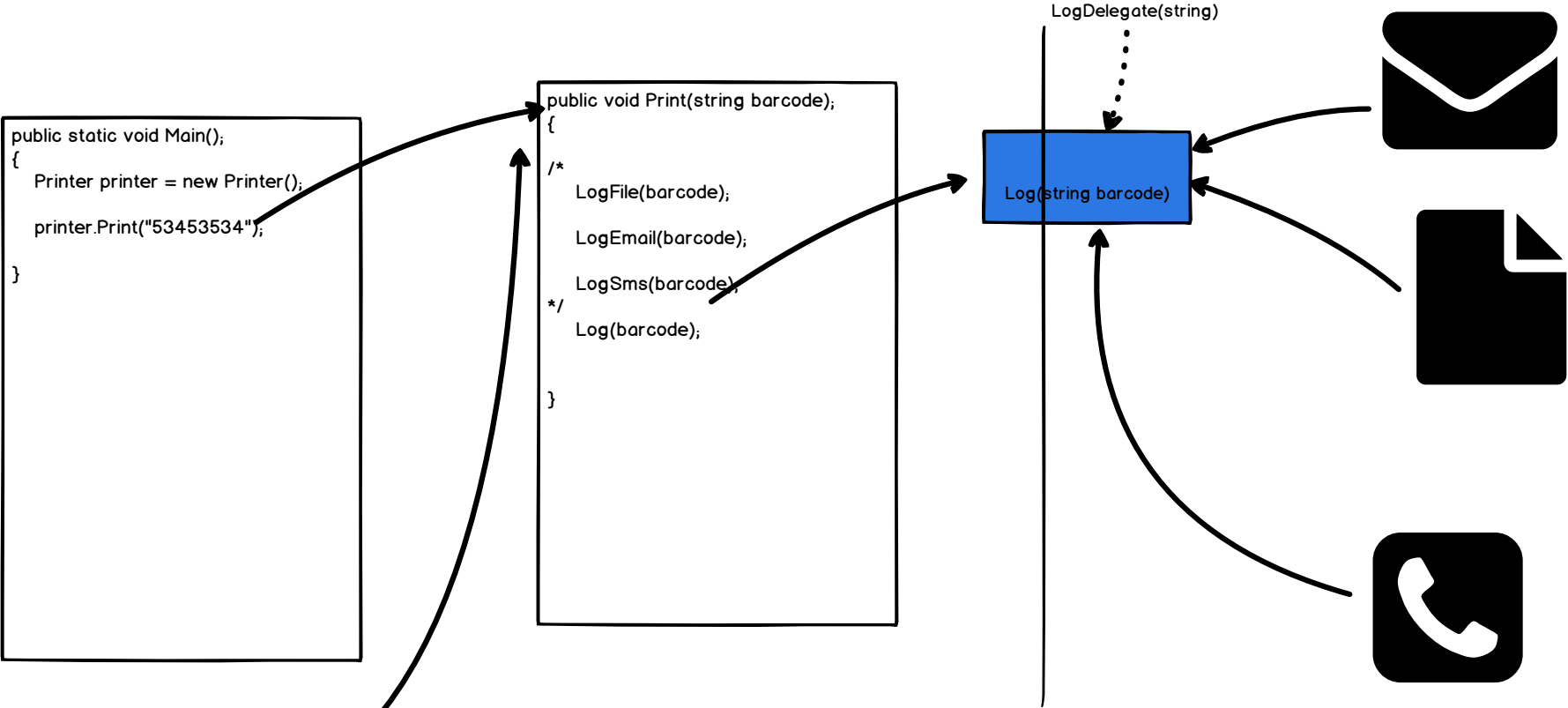
```
public static void Main();
{
    Printer printer = new Printer();
    printer.Print("53453534");
}
```

```
public static void Main();
{
    Printer printer = new Printer();
    printer.Print("4664564");
}
```

```
public void Print(string barcode);
{
    /*
        LogFile(barcode);
        LogEmail(barcode);
        LogSms(barcode);
    */
    Log(barcode);
}
```

Log(string barcode)

LogDelegate(string)



New Wireframe 1

```
public int Add(int x, int y)
{
    return x + y;
}
```

wyrażenia lambda

```
int x = 10;
int y = 5;
```

```
(x, y) => x + y
```

```
public int ____ (int x, int y)
{
    return x + y;
}
```

$$f(x, y) = x + y \quad x, y \in \mathbb{C}$$

rachunek lambda

$$(x, y) \rightarrow x + y \quad x, y \in \mathbb{C}$$